

PATENT

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providing information to the user regarding an ability to approve or modify the transaction request; and

when the transaction request is approved by the user, receiving at the electronic transaction system second digital data representing the electronic confirmation of the transaction request; and

wherein the receiving step is performed via a wireless communication port associated with the portable electronic authorization device.

2. (Once amended) The method of claim 1, wherein:

the pre-determined event is at least one of the stock price rises above a pre-determined percentage and the stock price falls below a pre-determined percentage.

3. (Once amended) The method of claim 1, wherein:

the pre-determined event is the auction bidding price rises above user-defined price.

4. (Once amended) The method of claim 1, wherein:

the pre-determined event is upon received a delivery.

7. (Once amended) A portable electronic authorization device for approving a transaction request from a point-of-sale system, comprising:

a transceiver in the portable electronic authorization device configured to receive first digital data representing the transaction request;

a display configured to provide information to the user regarding an ability to approve or modify the transaction request; and

a scanner configured to scan at least one of bar-code or OCR information;

wherein the transceiver is further configured such that when the transaction request is approved by the user, the transceiver is configured to transmit second digital data representing the electronic confirmation of the transaction request.

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8. (Once amended) The portable electronic authorization device of claim 7, wherein:
the scanner is configured to scan in the a barcode information to establish the
communication link between the portable electronic authorization device and a Point-of-Sale
terminal.

9. (Once amended) The portable electronic authorization device of claim 7, wherein:
the scanner is at least one of a barcode or an OCR scanner.

10. (Once amended) The portable electronic authorization device of claim 7, wherein:
the transceiver is at least one of an infrared, a Bluetooth or a wireless receiver.

11. (Once amended) The portable electronic authorization device of claim 8, wherein:
the scanner is configured to scan in barcode product information for self-checkout.

13. (Once amended) A method for xAgent automatic ordering from a remote merchant server
using a portable electronic authorization device carried by a user, comprising the steps of:
entering product information at the portable electronic authorization device;
accumulating the product information by tan xAgent running on the portable electronic
authorization device;
triggering xAgent automatic ordering upon user pre-defined event;
receiving at the portable electronic authorization device a first digital data representing
the transaction request;
providing information to the user regarding an ability to approve the transaction request;
when the transaction request is approved by the user, encrypting transaction approval data
as second digital data representing approval by the user to purchase the item; and
transmitting the second digital data to the electronic transaction system to approve the
transaction request with the electronic transaction system.

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14. (Once amended) The method of claim 13, wherein the user pre-defined event can be at least one of a total order exceeding a pre-defined amount of dollars, an end of a week occurring wherein the xAgent places orders accumulated during the week, and a bargaining price set by the user being found.

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Cont'd

15. The method of claim 13, wherein the step of entering the product information includes using the keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

B1

16. The method of claim 13, wherein: the step of entering the product information includes using a scanner in the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

Sub
B1

A4

18. (Once amended) A method for self-checkout between an electronic point of sale transaction system and a portable electronic authorization device carried by a user, comprising the steps of: entering product information at the portable electronic authorization device; establishing communication link between the electronic point of sale transaction terminal and the portable electronic authorization device; receiving at the portable electronic authorization device a first digital data representing the transaction request; providing information to the user regarding an ability to approve the transaction request; when the transaction request is approved by the user, encrypting transaction approval data as second digital data representing approval by the user to purchase the item; and transmitting the second digital data to the electronic transaction system to approve the transaction request with the electronic transaction system; and

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A4
Cont'd

B1 printing a receipt at a remote printer.

19. The method of claim 18, wherein:

the step of encrypting the approval data is performed using a public key cryptography technique using at least a user's private key.

20. The method of claim 18, wherein:

the step of entering the product information includes using a keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

21. The method of claim 18, wherein:

the step of entering the product information includes using a scanner of the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

22. The method of claim 18, wherein:

the step of printing the receipt step includes establishing a connection between the portable electronic authorization device and the printer.

23. The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering printer identification information into the portable electronic authorization device.

24. The method of claim 22, wherein:

the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering subscriber identification

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